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SOUNDINGS IN FATHOMS

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Formerly C&GS 4132, 1st Ed., Apr. 1927

PROHIBITED AREA
Pearl Harbor
Regulations are published in Chapter 14, United States Coast Pilot 7, under reference heading: chart 19367

SMALL ARMS FIRING AREA
Area closed to navigation 0800-1700 daily including Saturday, Sunday and at other times upon notification

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, Hawaii, or at the Office of the District Engineer, Corps of Engineers in Honolulu, Hawaii.
Refer to charted regulation section numbers.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 7 for important supplemental information.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

ARTICULATED LIGHT
An articulated light is a vertical pipe structure that oscillates about a universal coupling connected to a sinker. The structure is kept upright by the buoyancy of a submerged flotation chamber. It is designed primarily to mark narrow channels with a higher precision than conventional Buoys. Articulated lights are charted thus: Art

STORM WARNINGS
The National Weather Service displays storm warnings at the following approximate locations:
Honolulu, Ala Wai Yacht Harbor (21°17.0'-157°50.4')
Honolulu, Aloha Tower (21°18.6'-157°51.8')
Honolulu, Keehilo Basin (21°17.5'-157°51.2')
Honolulu, Kochi Marina (21°18.0'-157° 52.4')

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)			
Name	Lat/Long	Mean Higher High Water	Mean Higher High Water	Mean Low Water	Extreme Low Water
Honolulu	(21°18'16"/157°52'W) (1290)	2.0	1.5	0.2	-1.5

NAVAL ANCHORAGE BERTHS

CAUTION
Mariners are urged to exercise extreme caution when transiting inshore waters due to changes created by the hurricane of November 1982.

For Symbols and Abbreviations see Chart No. 1
COLREGS International Regulations for Preventing Collisions at Sea, 1972
Demarcation lines are shown thus: ———

HEIGHTS
Heights in feet above Mean High Water

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Defense Mapping Agency.

NOTE B
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilot appendix for addresses of EPA offices.

LOGARITHMIC SPEED SCALE
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place edge point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

CAUTION
Only marine radiobeacons have been adopted for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists, and Defense Mapping Agency Publication 117.
Radar, direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Transmission positions are shown thus:
(A)Accurate location (A)Approximate location

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable but for most stations is usually 20 to 40 miles from the antenna site.

Oahu	KBA-99	162.55 MHz
Hawaii	KBA-98	162.55 MHz
Maui	KBA-99	162.40 MHz
Kauai	KBA-98	162.40 MHz

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these with Hiu been omitted from this chart.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SAND ISLAND
NOTE B
Mariners are cautioned not to anchor within 600 yards of the sewer line.

NOTE C
Boulders reported in this area with depths of 35 fms.

PROHIBITED AREA (see note)

DANGER ZONE 234.1(7)(see note A)

SMALL ARMS FIRING AREA (see note A)

SOUTH LIMIT OF DUMPING GROUND (Discharged)

Pass Hotel (unmarked approach point) Lat 21°16'06"N, Long 157°56'23"W

COLREGS DEMARCATION LINE 80-1405 (see note A)

DUMP SITE
(dredged material)
(see note S)
Depths from surveys of 1911 and 1926

DUMP SITE
(dredged material)
(see note S)
Depths from surveys of 1911 and 1926

MAGNETIC
VAR 10°45'E (1989)
ANNUAL INCREASE 0°

M A M A L A B A Y

Submarine Test and Tra

HONOLULU INTERNATIONAL AIRPORT

CONTROL TOWER
AERO Rotating Mile

KEEHI LAGOON

Salt Lake

Kapalama

Kapalama Basin

Kalihi

Kumumau Pt

Kochi Pt

Ewa Beach

PEARL HARBOR ENTRANCE

Nakau Pt

Waipio Pt.

Waipio Pen.

Iroquois Pt.

Bishop Pt.

Hospital Pt.

Mokauea I

Mokauea II

Barrow Pit

Moanalua

Moanalua Stream

Kamehameha Highway

(see chart 19367)

UNITED STATES
HAWAII

SOUTH COAST OF OAHU
DIAMOND HEAD TO PEARL HARBOR ENTRANCE

Mercator Projection
Scale 1:20,000 at Lat. 21°17'
World Geodetic System 1984
(North American Datum of 1983)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

HORIZONTAL DATUM
The horizontal reference datum of this chart is World Geodetic System 1984 (WGS 84) and for charting purposes is considered equivalent to the North American Datum 1983 (NAD 83). Geographic positions referred to the Old Hawaiian Datum must be corrected an average of 11.28" southward and 6.99" eastward to agree with this chart.

NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continual change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.
Thomas J. Maginnis
Assistant Administrator for Ocean Services and Coastal Zone Management

(CONTINUED ON CHART 19340)

21st Ed., Apr. 8/89 ■
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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

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Formerly C&GS 4102, 1st Ed., Apr. 1927

Nautical Chart Catalog No. 2, Panel 9

LOGARITHMIC SPEED SCALE

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KEEHI LAGOON

SAND ISLAND

NOTE B

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NOTE C

Boulders reported in this area with depths of 35 feet.

HONOLULU

WAIKIKI

KAIMUKI

MOILILI

IWILEI

DIAMOND HEAD

Ala Wai Boat Harbor

RESTRICTED ZONE
Waikiki Beach
Regulations are published in Chapter 14, United States Coast Pilot 7, under reference heading chart 19364.

MAMALA BAY

DUMP SITE
(dredged material)
(see note S)
Depths from surveys of 1911 and 1926

SOUTH LIMIT OF DUMPING GROUND (Restricted)

Submarine Test and Trial Area

MAGNETIC
VAR 10°45'E (1980)
ANNUAL INCREASE 6'

Nautical Miles
Yards

(CONTINUED ON CHART 19340)

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

SOUNDINGS IN FATHOMS

(Diamond Head to Pearl Harbor Entrance)

SOUNDINGS IN FATHOMS - SCALE 1:20,000

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